

04-12-00

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
REQUEST FOR FILING NEW UTILITY PATENT APPLICATION UNDER 37 CFR 1.53(b)
(Case No. RA043D2DC)



To the Assistant Commission for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. §1.53(b) is a new utility patent application for:

Title: INTEGRATED CIRCUIT I/O USING A
HIGH PERFORMANCE BUS INTERFACE

Inventors: Michael Farmwald
Mark Horowitz

This application is a CONTINUATION APPLICATION of:

Inventors: Michael Farmwald
Mark Horowitz

Ser. No.: 09/161,090

Art Unit: 2781

Filed: September 25, 1998

Examiner: G. Auve'

Title: INTEGRATED CIRCUIT HAVING
MEMORY WHICH SYNCHRONOUSLY
SAMPLES INFORMATION WITH RESPECT
TO EXTERNAL CLOCK SIGNALS

To effect the above-requested filing today:

1. Attached is a copy of the prior application as originally filed, including:
 - [X] Specification, Claims, and Abstract (125 pages)
 - [X] Drawings: 1 set of **formal** drawings having 14 sheets
 - [X] Original Declaration and Power of Attorney (2 pages)

2. Incorporation by Reference: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

3. A Power of Attorney to Neil A. Steinberg, Reg. No. 34,735 is attached hereto and filed herewith. That Power of Attorney also revokes all other powers of attorney. Accordingly, kindly address all future communications to:

Neil A. Steinberg, Esq.
Rambus Inc.
2465 Latham Street
Mountain View, California 94040

Telephone No. 650-944-7772
Facsimile No. 650-428-0914

4. The Examiner's attention is directed to both the second paragraph of guideline (2) in MPEP 609 and to the last paragraph of MPEP 2001.06(b) and to the submission in the prior application of the Information Disclosure Statements and document copies filed in Application Serial Nos. 09/161,090 and 09/798,520.
5. Attached is a **PRELIMINARY AMENDMENT** which, among other things, cancels claims 1-150, and adds new claims 151-179. This Preliminary Amendment is to be entered **BEFORE** fee calculation.

6.

FILING FEE

(BASED ON THE NUMBER OF CLAIMS AS FILED AND CHANGED BY PRELIMINARY AMENDMENT)

Basic Fee \$ 690.00

Additional Fees:

Surcharge for more than 20 total claims ($2 * \$18$) \$ 162.00

Surcharge for more than 3 independent claims ($0 * 78$) \$ - 0 -

Surcharge for multiple dependent claims \$ - 0 -

Total Filing Fee \$ 852.00

7. Manner of Payment:

- A check payable to the Commissioner of Patents and Trademarks, in the amount of \$ _____ is enclosed as payment of the Total Filing Fee.
- Please charge my Deposit Account No. 50-0998 in the amount of \$ 852.00 to cover the above fees. A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 50-0998. A duplicate copy of this sheet is enclosed.

Date: April 10, 2000

Respectfully submitted,



Neil A. Steinberg
Reg. No. 34,735
650-944-7772

EXPRESS MAIL CERTIFICATE OF MAILING

Express Mail" mailing label number: EK100209445 US

Date of Deposit: April 10, 2000

I hereby certify that I am causing the paper(s) and/or fee(s) listed below to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that the paper(s) or fee(s) have been addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Michiko Sites

(Typed or printed name of person mailing paper(s) or fee(s))

Michiko Sites

(Signature of person mailing paper or fee)

April 10, 2000

(Date signed)

jc530 U.S. PRO
09/545648
04/10/00



EXPRESS MAIL CERTIFICATE OF MAILING

JC530 U.S.
09/545648 PTO
04/10/00



Express Mail" mailing label number: EK100209445 US

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Michiko Sites

(Typed or printed name of person mailing paper(s) or fee(s))

Michiko Sites

(Signature of person mailing paper or fee)

April 10, 2000

(Date signed)

Serial/Patent No.: Not Assigned Yet

Filing/Issue Date: Herewith

Title: Integrated Circuit Having Memory Which Synchronously Samples Information With Respect To
External Clock Signals

Atty. Docket No.: RA043D2DC

Date Mailed: April 10, 2000

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- | | |
|--|--|
| <input type="checkbox"/> Amendment/Response (pgs.) | <input type="checkbox"/> Petition for Extension of Time (month(s)) |
| <input checked="" type="checkbox"/> Preliminary Amendment (16 pgs.+3 pgs.) | <input type="checkbox"/> Information Disclosure Statement & PTO 1449 |
| <input type="checkbox"/> Application - Utility (pgs., with cover and abstract) | <input type="checkbox"/> Issue Fee Transmittal |
| <input type="checkbox"/> Application - Rule 1.53(b) Continuation (125 pgs.+1 pg.) | <input type="checkbox"/> Submission of Formal Drawings |
| <input type="checkbox"/> Application - Rule 1.53(b) Divisional (pgs.) | <input type="checkbox"/> Notice of Appeal |
| <input type="checkbox"/> Application - Rule 1.53(b) CIP (pgs.) | <input type="checkbox"/> Appeal Brief (pgs. in triplicate) |
| <input type="checkbox"/> Application - Rule 1.53(d) CPA (pgs.) | <input type="checkbox"/> Reply Brief |
| <input type="checkbox"/> Application - PCT (pgs.) | <input type="checkbox"/> Response to Notice of Missing Parts |
| <input type="checkbox"/> Application - Provisional (pgs.) | <input type="checkbox"/> Transmittal Letter (in duplicate) |
| <input checked="" type="checkbox"/> Drawings (14 sheets) | <input checked="" type="checkbox"/> Fee Transmittal (in duplicate) |
| <input checked="" type="checkbox"/> Declaration & POA (2 pgs.) | <input type="checkbox"/> Itemized Postcard |
| <input type="checkbox"/> Assignment & Cover Sheet | <input checked="" type="checkbox"/> Certificate of Mailing |
| <input checked="" type="checkbox"/> Power of Attorney | <input checked="" type="checkbox"/> Express Mail No. EK100209445US |
| <input checked="" type="checkbox"/> Other Cross Reference Under 37 C.F.R. Sec.1.78 | |
| <input type="checkbox"/> Request to Approve Drawing Changes (3 pgs.) | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. RA043D2DC)

In the Application of:)
FARMWALD ET AL.) Group
Serial No: CONTINUATION OF 09/161,090) Art Unit:
Filed: Herewith) Before
Title: INTEGRATED CIRCUIT HAVING MEMORY)
WHICH SYNCHRONOUSLY SAMPLES)
INFORMATION WITH RESPECT TO)
EXTERNAL CLOCK SIGNALS)

Assistant Commissioner for Patents
Washington, DC 20231

CROSS REFERENCE UNDER 37 C.F.R. §1.78 TO
POTENTIALLY RELATED APPLICATIONS

Dear Sir:

The above-identified application may be related to the following applications:

Application No. 09/200,446, filed on November 27, 1998 (now U.S. Patent 6,035,365); Application No. 08/979,127, filed November 26, 1997 (now U.S. Patent 5,915,105); which is a continuation of Application No. 08/762,139, filed December 9, 1996 (now U.S. Patent 5,809,263); which is a continuation of Application No. 08/607,780, filed February 27, 1996 (now abandoned); which is a continuation of Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent 5,513,327); which is a continuation of Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent 5,319,755); which is a continuation of Application Serial No. 07/510,898 filed April 18, 1990 (now abandoned).

Application No. 09/510,213 filed on February 22, 2000 (still pending); which is a continuation of Application No. 09/252,998, filed February 19, 1999 (now U.S. Patent 6,032,214); which is a continuation of Application No. 08/979,127, filed November 26, 1997 (now U.S. Patent 5,915,105); which is a continuation of Application No. 08/762,139, filed December 9, 1996 (now U.S. Patent 5,809,263); which is a continuation of Application No. 08/607,780, filed February 27, 1996 (now abandoned); which is a continuation of Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent 5,513,327); which is a continuation of Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent 5,319,755); which is a continuation of Application Serial No. 07/510,898 filed April 18, 1990 (now abandoned).

Application No. 09/263,224 filed on March 5, 1999 (still pending); which is a continuation of Application No. 08/979,127, filed November 26, 1997 (now U.S. Patent 5,915,105); which is a continuation of Application No. 08/762,139, filed December 9, 1996 (now U.S. Patent 5,809,263); which is a continuation of Application No. 08/607,780, filed February 27, 1996 (now abandoned); which is a continuation of Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent 5,513,327); which is a continuation of Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent 5,319,755); which is a continuation of Application Serial No. 07/510,898 filed April 18, 1990 (now abandoned).

Application No. 09/514,872 filed on February 28, 2000 (still pending); which is a continuation of Application No. 09/252,998, filed February 19, 1999 (now U.S. Patent

6,032,214); which is a continuation of Application No. 08/979,127, filed November 26, 1997 (now U.S. Patent 5,915,105); which is a continuation of Application No. 08/762,139, filed December 9, 1996 (now U.S. Patent 5,809,263); which is a continuation of Application No. 08/607,780, filed February 27, 1996 (now abandoned); which is a continuation of Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent 5,513,327); which is a continuation of Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent 5,319,755); which is a continuation of Application Serial No. 07/510,898 filed April 18, 1990 (now abandoned).

All of these applications are assigned to the same assignee as the present application.

Respectfully submitted,

Date: April 10, 2000



Neil A. Steinberg
Reg. No. 34,735
650-944-7772

IN THE UNITED STATES PATENT AND TRADEMARK
(Case No. RA043D2DC)

In the Application of:

FARMWALD ET AL.

Serial No: CONTINUATION OF 09/161,090

Filed: Herewith

Title: INTEGRATED CIRCUIT HAVING MEMORY
WHICH SYNCHRONOUSLY SAMPLES
INFORMATION WITH RESPECT TO
EXTERNAL CLOCK SIGNALS

Group

Art

Before
Examiner:

Assistant Commissioner for Patents
Washington, DC 20231

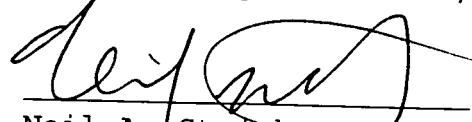
REQUEST TO APPROVE DRAWING CHANGES

Dear Sir:

Applicants seek to amend Figure 10 to more fully reflect the discussion in the specification, specifically, page 55, line 12-16 and page 58, lines 13-23. Attached is a photocopy of Figure 10 with the proposed changes indicated in red. No new matter has been added.

Applicants respectfully request approval of the proposed changes. A new Figure 10 which incorporates the changes is also attached to hereto.

Respectfully submitted,



Neil A. Steinberg

Reg. No. 34,735

650-944-7772

Date: April 10, 2000

Approved by
Examiner
9/6/2000